

## ABSTRACT

A regeneration device of an exhaust gas purification filter that reduces the regeneration time of the filter. The  
5 regeneration device includes a plurality of first temperature detectors (26a, 26b) arranged in casings to detect the temperature in each casing and a second temperature detector (26a, 26b) for detecting the temperature of the exhaust gas. A processor (30) is  
10 connected to the first temperature detectors and the second temperature detector. The processor compares the temperature of the exhaust gas and the temperature of at least one of the casings, opens the associated switch valve based on the comparison result, and preheats at least one of the filters  
15 with the exhaust gas. The heat of the exhaust gas suddenly increases the temperature of the filter from the initial temperature and reduces the filter regeneration time.